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Minimum DB :
                                                                                                                                                                                                                                                    Result
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Database
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Perfect score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Searched:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Scoring table:
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                                                                                                                                                                                                                                                                                                                      Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
   245
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111.5
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                                                                                                                                                                                                                                     Score
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seq
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1: /SIDS1/gcgdata/geneseq/geneseqp/AA1980.DAT:*

2: /SIDS1/gcgdata/geneseq/geneseqp/AA1982.DAT:*

3: /SIDS1/gcgdata/geneseq/geneseqp/AA1983.DAT:*

4: /SIDS1/gcgdata/geneseq/geneseqp/AA1983.DAT:*

5: /SIDS1/gcgdata/geneseq/geneseqp/AA1984.DAT:*

6: /SIDS1/gcgdata/geneseq/geneseqp/AA1985.DAT:*

7: /SIDS1/gcgdata/geneseq/geneseqp/AA1986.DAT:*

8: /SIDS1/gcgdata/geneseq/geneseqp/AA1987.DAT:*

9: /SIDS1/gcgdata/geneseq/geneseqp/AA1988.DAT:*
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length: 2000000000
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SIDSI/gcgdata/geneseq/geneseqp/AA1991.DAT:*

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Gapop 10.0 , Gapext 0.5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-331-631A-8_COPY_120_161
245
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  268485 seqs, 34193795 residues
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GenCore version
Copyright (c) 1993 - 2000
     590
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                                                     W62832
W62831
R20181
W62830
W62829
W62828
W62841
W62841
R71111
   Y33494
Y30795
Y09181
                                                                                                                                                                                                                                                                                         SUMMARIES
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Compugen Ltd
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6.825 Million cell updates/sec
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                                                                                                     Gossypium hirsutum
Theobroma cacao an
Seguence encoded b
Macadamia integrif
Macadamia integrif
Macadamia integrif
                                                                                                                                                                                                                                  Description
Human SCA1 protein
A human trichohyal
Peptide seq ID No:
                                                   Stenocarpus sinuat
Hordeum vulgare an
Spinocerebellar at
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Mouse pancreatic-d	630		214	23.3	57
Amino acid sequenc	Y54319	21	2074	23.7	58
Drosophila Deltex	831		737	23.7	58
pr	663		737	23.7	58
otein	R76640		737	23.7	58
Ry-relat	$\sim$		395	•	58
itope tagg	W73369		371	•	59
art of the seque	P91891		140	24.5	60
. max SBP2 prote	4		489	٠	0
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melanoc	208		678	•	61
exon B1	R13792		425		61
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mays	W628 • .		593	•	
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	Y22191		910		62
seed	W30670		184	25.3	62
acid s	W95076		108	٠	62
o acid sec	( n		108		62
-HD fusion	805		94		62
-HD fusion	W95075		94	•	62
fusion	507		86		62
-HD fusion	W95073		86	•	62
71	339	_	175	•	62.5
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rotein fr	49	_	189		63
ce encoded b	P81140		189		63
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ssica campestr	052	1	184		63
pin encoded by	4	_	184		63
campestris n	669	_	184	٠	63
in protéin fro	498		184	25.7	63
Napin 1-2 gene pro	R14193	12	184	25.7	63

## ALIGNMENTS

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RESULT
W62832
ID W6
XX
AC W6
XX
  Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian
                                 Claim 1; Page 49-51; 96pp; English
                                                                                                            Bower NI, Goulter KC,
                                                                                                                                                                                                                       WO9827805-A1.
                                                                                                                                                                                                                                           Gossypium hirsutum.
                                                                                                                                                                                                                                                               antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                                     Gossypium hirsutum antimicrobial protein.
                                                                                                                                                                                                                                                                                                                                  W62832;
                                                                                                                                                                                                                                                                                                                                                      W62832 standard; Protein; 590 AA
                                                                                       WPI; 1998-377279/32.
                                                                                                                                 (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                           22-DEC-1997;
                                                                                                                                                                                                 02-JUL-1998
                                                                                                                                                                                                                                                                                                          27-OCT-1998 (first entry)
                                                                                                                                                       96AU-0004275
                                                                                                                                                                           97WO-AU00874
                                                                                                           Green JL,
                                                                                                            Manners JM,
                                                                                                             Marcus
                                                     integrifolia
plants or man
                                                       mammals
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RESULT
R20181
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W62831
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                                                                                                                                 Query Match
Best Local :
                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local
        Sequence encoded by 67 kD T. cacao protein cDNA
                       16-APR-1992
                                      R20181;
                                                      R20181 standard;
                                                                                                                                                               Sequence
                                                                                                                                                                               animals.
                                                                                                                                                                                    The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian
                                                                                                                                                                                                           Claim 1; Page 47-49;
                                                                                                                                                                                                                          Novel anti-microbial protein from e.g. Macadamia integrifolia useful for controlling microbial infestations of plants or mammals {\bf max}
                                                                                                                                                                                                                                                  WPI; 1998-377279/32
                                                                                                                                                                                                                                                                Bower NI,
                                                                                                                                                                                                                                                                                              20-DEC-1996;
                                                                                                                                                                                                                                                                                                             22-DEC-1997;
                                                                                                                                                                                                                                                                                                                             02-JUL-1998.
                                                                                                                                                                                                                                                                                                                                            WO9827805-A1
                                                                                                                                                                                                                                                                                                                                                          Theobroma cacao
                                                                                                                                                                                                                                                                                                                                                                         antimicrobial protein; infestation; control.
                                                                                                                                                                                                                                                                                                                                                                                         Theobroma cacao antimicrobial
                                                                                                                                                                                                                                                                                                                                                                                                       27-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                       W62831;
                                                                                                                                                                                                                                                                                                                                                                                                                                     W62831 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              animals.
                                                                                                                                                                                                                                                                               (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            120
                                                                                                                         Local Similarity 50.0 hes 20; Conservative
                                                                                            82
                                                                                                   1 SQRQFQECQQHCHQQEQRPEKKQQCVRECREKYQENPWRGER 42
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sqrqfqecqqhchqqeqrpekkqqcvrecrekyqenpwrger 161
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 Similarity
42; Conser
                                                                                                                                                                                                                                                                Goulter KC,
                                                                                                                                                               525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                590
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                       (first entry)
                                                                                                                                                               AA;
                                                                                                                                                                                                                                                                                               96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AA;
                                                                                                                                                                                                                                                                                                              97WO-AU00874
                                                      Protein; 566
                                                                                                                                                                                                                                                                                                                                                                                                                                      Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                100.0%;
                                                                                                                                 45.5%;
50.0%;
                                                                                                                                                                                                           96pp; English.
                                                                                                                                                                                                                                                                Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                      525
                                                                                                                         9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0;
                                                                                                                                 Score 111.5; DB 19;
Pred. No. 2.4e-05;
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Pred. No. 1.5e-20;
Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                        protein
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                                                                                                                         Mismatches
                                                                                                                                                                                                                                                                Manners JM,
                                                                                                                         10;
                                                                                                                                                                                                                                                                Marcus JP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 590;
                                                                                                                         Indels
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                                                                                                                                       Length 525;
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W62830
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                                                                                           Key
20-DEC-1996;
               22-DEC-1997;
                                            W09827805-A1
                                                                    Protein
                                                                                                          Macadamia
                                                                                                                                                                      W62830;
                                                                                                                                                                                                                                                                                              Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1992-024418/03.
N-PSDB; Q20377.
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Spencer ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  11-JUN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-JUN-1991;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO9119801-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Theobroma cacao
                              02-JUL-1998
                                                                                    Peptide
                                                                                                                                                                                                                                                                                                            seed storage proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (MRSC ) MARS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-DEC-1991
                                                                                                         integrifolia
                                                                                                                                                                                                                                                                                              566 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hodge R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   UK LTD.
               97WO-AU00874
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The inventors claim a 67 kD and 31 kD T. cacao protein, and fragments, and encoding DNAs. The 47 kD and 31 kD proteins are derived from the 67 kD precursor. T. cacao protein cDNA was detected in a cDNA library prepared from immature cocoa beans RNA using a probe based on the AA sequence of a CNBr peptide common to the 47 kD and 31 kD polypeptides. Homology searches revealed close homologies between the 67 kD polypeptide and the vicilins, which are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Recombinant cocoa proteins - are responsible for flavour in cocoa beans and produced in large quantities using yeast and bacterial expression vectors
                                                                                                                                                                                                                                                                                                                                    27-OCT-1998 (first entry)
                                                                                                                                                                                                                         antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                             Macadamia integrifolia antimicrobial protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                     W62830 standard; Protein; 625
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; Fig 2; 59pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cocoa; flavour; vicilin; seed storage protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          82 qrqyqqcqgrcqeqqqqqqqqqqcqrkcweqykeqe-rge 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 50.0 (les 20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 QRQFQECQQHCHQQEQRPEKKQQCVRECREKYQENPWRGE 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     90GB-0013016
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                                                                                                             Location/Qualifiers
/note= "mature protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            45.5%;
                                                      "signal peptide"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Deakin EA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 111.5; DB 1
Pred. No. 2.6e-05;
9; Mismatches 1(
                                                                                                                                                                                                                                                                                                                                                                                                                                                     A
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RESULT
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Best Local Similarity
Matches 18; Conserv
        The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian animals.
                                                                                                           WPI; 1998-377279/32.
N-PSDB; V42311.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The sequence is that of an antimicrobial protein which can be used to control microbial infestations in plants and mammalian animals.
                                                                                                                                                                                                                                                                                                                                                                                               Macadamia integrifolia antimicrobial protein
                                                                                                                                                                                                                                                                                                                                                                                                                                              w62829;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                   Claim 1; Page 39-41; 96pp; English.
                                                                       Novel anti-microbial protein from e.g. Macadamia useful for controlling microbial infestations of
                                                                                                                                             Bower NI,
                                                                                                                                                                   (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                          20-DEC-1996;
                                                                                                                                                                                                                22-DEC-1997;
                                                                                                                                                                                                                                       02-JUL-1998
                                                                                                                                                                                                                                                             WO9827805-A1
                                                                                                                                                                                                                                                                                              Protein
                                                                                                                                                                                                                                                                                                                   Peptide
                                                                                                                                                                                                                                                                                                                                                      Macadamia integrifolia.
                                                                                                                                                                                                                                                                                                                                                                        antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                                                                                                                                                                    27-OCT-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   W62829 standard; Protein; 666 AA
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                                                                                                                                             Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              625 AA
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                                                                                                                                                                                          96AU-0004275
                                                                                                                                                                                                                97WO-AU00874
                                                                                                                                                                                                                                                                                /note= "mature protein"
                                                                                                                                                                                                                                                                                             /note= "signal peptide"
29..666
                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               40.4%; Score 99; DB 19; Length 625; 38.3%; Pred. No. 0.00077;
                                                                                                                                             Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Green JL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    11; Mismatches
                                                                                                                                            Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Manners JM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8; Indels
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                                                                                                                                             Marcus
                                                                         integrifolia -
plants or mammals
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plants or mammals
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RESULT 7
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                                                                                                                       Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 40.0%; Score 98; DB 19; Length 666; Best Local Similarity 38.3%; Pred. No. 0.0011; Matches 18; Conservative 11; Mismatches 8; Indels
                     W62841 standard; Protein; 28
                                                                                                                                                                               Sequence
                                                                                                                                                                                                      animals.
                                                                                                                                                                                                              The sequence is that of an antimicrobial protein which obecused to control microbial infestations in plants and
                                                                                                                                                                                                                                               Claim 1; Page 34-36; 96pp; English.
                                                                                                                                                                                                                                                                     Novel anti-microbial protein from e.g. Macadamia integrifolia - useful for controlling microbial infestations of plants or mammals
                                                                                                                                                                                                                                                                                                         WPI; 1998-377279/32.
N-PSDB; V42310.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Key
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  antimicrobial protein; infestation; control
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           W62828 standard; Protein; 666 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                                                                                                          Bower NI, Goulter KC,
                                                                                                                                                                                                                                                                                                                                                                (RETR-) COOP RES CENT TROPICAL PLANT PATHOLOGY
                                                                                                                                                                                                                                                                                                                                                                                      20-DEC-1996;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Macadamia integrifolia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Peptide
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                                                                             qqqyeqcqkhcqrreteprhmqtcqqrcerryek 156
                                                                                                                                                                                666 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      666 AA;
                                                                                                                         Conservative
                                                                                                                                                                                                                                                                                                                                                                                      96AU-0004275
                                                                                                                                                                                                                                                                                                                                                                                                           97WO-AU00874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "signal peptide" 29..666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /note= "mature protein"
                                                                                                                      38.4%; Score 94; DB 19;
35.3%; Pred. No. 0.0031;
tive 11; Mismatches 11
                                                                                                                                                                                                                                                                                                                                          Green JL,
                                                                                                                                                                                                                                                                                                                                          Manners JM,
                                                                                                                                            Length 666;
                                                                                                                                                                                                                                                                                                                                          Marcus
                                                                                                                        Indels
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W62841;

27-OCT-1998

(first entry)

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RESULT
W62837
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Best Local Similarity
Novel anti-microbial protein from
                                                                                                                         WPI; 1998-377279/32
                                                                                                                                                                                                                                            Bower NI,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    02-JUL-1998
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-JUL-1998.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-377279/32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28
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PR
                                                      Query Match 26.9
Best Local Similarity 52.2
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match
Best Local Similarity 30.6
Matches 15; Conservative
                                                                                                                                             084793 is a new autosomal dominant spinocerebellar ataxia type 1 (SCA 1) nucleic acid, it encodes the protein product described in R71111. Both the nucleic acid and the protein can be used to develop products, for the presymptomatic detection of a SCA 1 disorder.
                                                                                                                                                                                                                                        New autosomal dominant spinocerebellar ataxia type 1 nucleic acid - used to develop prods, for detection or presymptomatic diagnosis of a SCA1 disorder \,
                                                                                                                       Sequence
                                                                                                                                                                                                             Claim 31; Fig 15; 111pp; English.
                                                                                                                                                                                                                                                                                                                                  Chung M,
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28-JUN-1994;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Spinocerebellar ataxia type 1 (SCA 1) protein product.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R71111;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1;
                                                                                                                                                                                                                                                                                             N-PSDB; Q84793.
                                                                                                                                                                                                                                                                                                        WPI; 1995-061001/08.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       42 qqcvqrcrqerpr-ysharcvqecrddqqqhgrheqeeeqgrgrgwhge 89
                              N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                 QRQFQECQQHCHQQEQRPEKKQQ
                                                                                                                                                                                                                                                                                                                                  Orr HT, Zoghbi HY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Page 60-62;
                                                                                                                        816 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            637 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                        94US-0267803
                                                                                                                                                                                                                                                                                                                                                                                                    9308-0084365
                                                                                                                                                                                                                                                                                                                                                                                                                             94WO-US07336
                                                                 26.9%;
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                                                 7;
                                                                 Score 66; L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 70; DB
Pred. No. 1.6;
7; Mismatches
                            24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SCA 1;
                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  presymptomatic diagnosis.
                                                                DВ
5.9;
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                                                                                16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13;
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                                                                               Length 816;
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                                                      Indels
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                                                     Gaps
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RESULT
Y30795
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AC Y31
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Y33494
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Best Local :
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          dependence polypeptides consisting of p75NTR, androgen receptor, DCC, huntingtin polypeptide, Machado-Joseph disease gene product, SCA1, SCA2, SCA6 and atrophin-1 polypeptide. The proapoptotic peptides are capable of inducing cell death and can be used to develop products to mediate or inhibit apoptosis. The methods can be used for reducing the severity of a proapoptotic dependence domain mediated pathological conditions e.g. Huntington's disease, Alzheimer's disease, Kennedy's disease, Spinocerebellar ataxias, dentatorubropallidoluysian atrophy, Machado-Joseph disease, Stroke or head traum. They can also be used for mediated pathological conditions of the control of the c
                                            Y30795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Proapoptotic; dependence domain; p75NTR; androgen receptor; DCC; huntingtin polypeptide; Machado-Joseph disease; SCA1; SCA2; SCA6; huntingtin; cell death; apoptosis; Huntington's disease; head trauma; Alzheimer's disease; Kennedy's disease; spinocerebellar ataxia; stroke; dentatorubropallidoluysian atrophy; cell proliferation; cell survival;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           reducing the severity of a pathological condition mediated by upregulated cell proliferation or cell survival e.g. neoplastic, malignant, autoimmune or fibrotic conditions. This sequence represents the human SCA1 polypeptide described in the method of the invention.
                                                                                                                     Y30795 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       This invention describes novel pure proapoptotic dependence peptides which comprise a sequence of an active dependence domain selected from the comprise a sequence of an active dependence domain selected from the comprise a sequence of an active dependence domain selected from the comprise a sequence of an active dependence domain selected from the comprise of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO9945944-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neoplastic; malignant; autoimmune; fibrotic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        19-JAN-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Y33494;
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                                                                                                                                                                                                                                                                                                                200 qqqqqqqqqhqhqqqqqqqqqqqq 222
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                                                                                                                                                                     2 QRQFQECQQHCHQQEQRPEKKQQ 24
|:| |: || || || ||:|: :::||
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Page 127-130; 199pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Rabizadeh
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                                                                                                                 Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            26.9%;
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 20;
5.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           develop products
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Y09181
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Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                  1117
                                                                                                   Mass spectrometry; molecular mass determination; genetic disease; Huntington's disease; prostate cancer; Fragile X syndrome type A; myotonic dystrophy type I; Kennedy disease; Machado-Joseph disease; dentatorubral pallidolyusian atrophy; spino bulbar muscular atrophy; ageing; genotyping; forensic analysis; parental testing; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present sequence represents a human trichohyalin (TRHY) protein. The protein is found in terminally differentiating epidermal tissue, and is involved in forming the structural architecture of such tissue. The trichohyalin protein is useful for forming a proteinaceous gel which may then be used for healing wounds, or in
          02-SEP-1998;
                                                                                                                                                                              Peptide seq ID No:
                                                                                                                                                                                                                               Y09181;
                                                                                                                                                                                                                                                      Y09181 standard; Protein; 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; trichohyalin; TRHY; protein; tissue structure; wound healing; terminally differentiating epidermal tissue; proteinaceous gel;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A human trichohyalin
                                  11-MAR-1999.
                                                                                Bacteriophage
                                                                                                                                                                                                       19-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; Fig 3A-W; 126pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kim I, Chung S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            14-FEB-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US5958752-A.
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                                                                                                                                                                                                                                                                                                                                        2 QRQFQECQQHCHQQEQRPEKKQQCVRECREKYQ----ENPWRGE
                                                                                                                                                                                                                                                                                                               krrrqererqcreeeelqqeeeqllreerekrrrqelerqyree
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             healing -
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14; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                            1898 AA;
                                                                                                                                                                                                      (first entry)
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                                                                                  t7.
          98WO-US18311
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                                                                                                                                                                               9 of W09912040.
                                                                                                                                                                                                                                                                                                                                                              26.1%; Score 64; DB 31.8%; Pred. No. 23; tive 14; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (TRHY) protein
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                                                                                                                                                                                                                                                      AA
                                                                                                                                                                                                                                                                                                                                                                                      DB 20; Length 1898;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
Matches 12; Conserv
                                                                                                               14-NOV-1990;
16-MAR-1990;
13-AUG-1990;
            N-PSDB; Q13969
                           WPI; 1991-295627/40
                                                     Thompson G, Knauf V,
                                                                                                                                                                                                                                                               Desaturase; expression cassette;
                                                                                                                                                                                                                                                                                                                         11-DEC-1991
                                                                                                                                                                                                                                                                                                                                                      R14193
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mass spectrometry detection of polypeptides useful for determining genetic predispositon to Huntington's disease and prostate cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1999-312406/26
N-PSDB; X37239.
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                                                                                                                                                                         14-MAR-1991;
                                                                                                                                                                                                       19-SEP-1991.
                                                                                                                                                                                                                                                                                            Napin 1-2 gene product
                                                                                                                                                                                                                                                                                                                                                                                   R14193 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 130; 134pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Higgins GS, Koester H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (SEQU-) SEQUENOM
                                                                                   (CALG-) CALGENE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 QRQFQECQQHCHQQEQRPEKKQQCVR 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     invention relates to a process for determining the identity of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Conservative
                                                                                                                                                                                                                                                                                                                      (first entry)
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                                                                                                             90US-0615784.
90US-0494106.
90US-0567373.
                                                                                                                                                                          91WO-U001746
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                                                                                                                                                                                                                                                                                                                                                                                   Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25.7%;
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                                                                                                                                                                                                                                                                                                                                                                                   184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                7;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 63;
Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
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1.2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 71;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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RESULT 14
R54981
ID R54981
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          31-JUL-1986;
28-JUL-1987;
15-NOV-1989;
28-JAN-1992;
                                                   R54981 shows a Brassica napin protein, generated from lamda CGN1-2 clone. The napin gene promoter is regulated during seed maturation This can be used to control the expression of an ACP in seed to enhance the production of seed oil and modulate the fatty acid composition. The DNA can also be used to prepare probes.
                                                                                                                                                                                                                                                                                      {\tt DNA} encoding plant acyl carrier protein - used to enhance of seed oil and to modulate the fatty acid compsn. of the
Sequence
                                                                                                                                                                                                                                Disclosure; Fig 4E-4G; 28pp; English.
                                                                                                                                                                                                                                                                                                                                                                                     N-PSDB; Q65428
                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1994-166646/20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Knauf VC, Kridl JC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-JUL-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US5315001-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Brassica campestris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         enhance seed oil production; acyl carrier protein; ACP-I.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-DEC-1994 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        R54981;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               R54981 standard; Protein; 184 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          An expression construct contg. a plant desaturase suitable for plant transformation is produced. 5' upstream and 3' downstream sequences obtainable from the B. campestris napin gene here are used. See also Q13963-69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24-MAY-1994.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Napin protein from Brassica campestris
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Fig 10; 128pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DNA encoding a plant desaturase - used for modifying the satd. fatty acid compsn. of plant cells and plant seeds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (CALJ ) CALGENE INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              48
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    27 RECREKYQENP 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 QRQFQE-----CQQHCHQQ--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           --cnelhqeep 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        rkefqqaqhlkacqqwlhkqamqsgsgpswtldgefdfeddvenqqqgpqqrppllqqc- 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        18;
184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             184 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       86US-0891529.
87US-0078924.
89US-0437764.
92US-0826696.
AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           86US-0891529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      25.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 63;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 184
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ----EQRPEKKQQCV 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Indels
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oil
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Query Match

25.7%;

Score 63;

DB 15;

Length 184;

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Вр
                      QY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 15
                                                                                         Query Match
Best Local Similarity
Matches 18; Conservat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 25.4 Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                    09-JUL-1990;
31-JUL-1986;
28-JUL-1987;
25-JAN-1988;
08-AUG-1991;
                                                                                                                                                                         Clone lambda CGN1-2 was isolated by screening a partial genomic library of B. campestris DNA for napin-encoding clones. The entire CDS as well as extensive 5' and 3' sequences of the napin gene were sequenced (094586). An expression cassette was constructed from the 3'- and 5'-ends of the lambda CGN1-2 napin gene.
                                                                                                                                                                                                                                                                          DNA providing seed specific gene transcription - includes a transcription initiator from a gene preferentially expressed in seed cells, e.g. the napin gene, also related expression cassettes and Brassica plants.
                                                                                                                                                      Sequence
                                                                                                                                                                                                                                                   Disclosure; Fig. 2A-J; 40pp; English.
                                                                                                                                                                                                                                                                                                                                      N-PSDB; Q94586.
                                                                                                                                                                                                                                                                                                                                                WPI; 1995-206250/27.
                                                                                                                                                                                                                                                                                                                                                                        Knauf VC, Kridl JC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           31-JUL-1986;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-MAY-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US5420034-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Brassica campestris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transgenic plant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Napin; promoter; seed-specific gene transcription; oilseed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          B. campestris napin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               04-NOV-1995 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         R76694;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R76694 standard; Protein; 184 AA.
                                                                                                                                                                                                                                                                                                                                                                                               (CALJ ) CALGENE INC
107 -- cnelhqeep 115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        107 --cnelhqeep 115
                       27 RECREKYQENP 37
                                           48 rkefqqaqhlkacqqwlhkqamqsgsgpswtldgefdfeddvenqqqgpqqrppllqqc- 106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                27 RECREKYQENP 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  48 rkefqqaqhlkacqqwlhkqamqsgsgpswtldgefdfeddvenqqqgppqqrppllqqc- 106
                                                                     2 QRQFQE-----CQQHCHQQ---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 QRQFQE-----CQQHCHQQ-----
                                                                                                                                                        184 AA;
                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                    90US-0550804.
86US-0891529.
87US-0078538.
88US-0147781.
91US-0742834.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           86US-0891529
                                                                                                       25.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25.4%;
                                                                                           ; Score 63; DB; Pred. No. 3; 7; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pred. No. 3; 7; Mismatche
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mismatches
                                                                                                                   16;
                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    8
                                                                                                                 Length 184;
                                                                                            Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                     ---EQRPEKKQQCV 26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ---EQRPEKKQQCV 26
                                                                                            38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    38;
                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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